


# SAFETY DATA SHEET

## Plumbright Biocide

### SECTION 1: Identification of the substance/mixture and of the company/undertaking

- |     |   |   |
|-----|---|---|
| 1.1 | Product identifier  | Plumbright Biocide (500ml)  |
| 1.2 | Relevant identified uses of the substance or mixture and uses advised against | PC37: Water treatment chemicals. Domestic central heating system biocide.<br><br>Not suitable for use in PRIMATIC single feed cylinders.  |
| 1.3 | Details of the supplier of the safety data sheet                              | Scalemaster Limited<br>Emerald Way<br>Stone Business Park<br>STONE<br>Staffordshire ST15 0SR<br>Tel: 01785 811636<br>Email: info@scalemaster.co.uk<br>Web:www.scalemaster.co.uk |
| 1.4 | Emergency telephone number  | Tel: 01785 811636.<br>Only available during office hours.   |

### SECTION 2: Hazards identification

- |     |  |  |  |
|-----|--|--|--|
| 2.1 | Classification of the substance or mixture | Classification according to regulation (EC) No 1272/2008 (CLP)     | Skin Sens. 1: H317   |
|     | Most important adverse effects             |  | May cause an allergic skin reaction.   |
| 2.2 | Label elements                             | According to regulation (EC) No 1272/2008 (CLP) & (EU) No 2015/830 |  |
|     | Hazard pictograms                          |  | GHS07: Exclamation mark  |
|     |  |  |   |
|     | Signal words                               |  | Warning  |
|     | Hazard statements                          |  | H317: May cause an allergic skin reaction.   |
|     | Precautionary statements                   |  | P261: Avoid breathing dust/fumes/gas/mist/vapours/spray.<br>P280: Wear protective gloves/protective clothing/eye protection/face protection.<br>P302+P352: IF ON SKIN: Wash with plenty of soap and water. |

P321: Specific treatment (see instructions on this label).  
 P333+P313: If skin irritation or rash occurs: Get medical advice/attention.  
 P362+P364: Take off contaminated clothing and wash it before reuse.

2.3 Other hazards This product is not identified as a PBT/vPvB substance.

### SECTION 3: Composition/information on ingredients

3.1 Substances

3.2 Mixtures

EINECS	CAS No	PBT/WEL	(EC) No 1272/2008 Classification	Percent
1,3,5-TRIS(2-HYDROXYETHYL)HEXAHYDRO-1,3,5-TRIAZINE				
225-208-0	4719-04-4	-	Acute Tox. 4: H302; Skin Sens. 1 : H317	1-10%

Additional information For full text of each hazard statement see Section 16.

### SECTION 4: First aid measures

4.1 Description of first aid measures

General notes

Following inhalation Remove casualty from exposure ensuring one's own safety whilst doing so. Consult a doctor.

Following skin contact Remove all contaminated clothes and footwear immediately unless stuck to skin. Wash immediately with plenty of soap and water. Consult a doctor.

Following eye contact Bathe the eye with running water for 15 minutes. Consult a doctor.

Following ingestion Wash out mouth with water. Consult a doctor.

4.2 Most important symptoms and effects, both acute and delayed

Following inhalation Exposure may cause coughing or wheezing.

Following skin contact There may be irritation and redness at the site of contact.

Following eye contact There may be irritation and redness. The eyes may water profusely.

Following ingestion There may be soreness and redness of the mouth and throat.

Delayed/immediate effects Delayed effects can be expected after long-term exposure.

4.3 Identification of any immediate medical attention and special treatment needed Not applicable.

### SECTION 5: Firefighting measures

5.1 Extinguishing media Suitable extinguishing media for the surrounding fire should be used. Use water spray to cool containers.

5.2 Special hazards arising from the substance or mixture In combustion emits toxic fumes.

5.3 Advice for firefighters Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes.

**SECTION 6: Accidental release measures**

6.1	Personal precautions, protective equipment and emergency procedures	Do not attempt to take action without suitable protective clothing - see section 8 of the SDS.  Turn leaking containers leak-side up to prevent the escape of liquid.
6.2	Environmental precautions	Do not discharge into drains or rivers. Contain the spillage using bunding.
6.3	Methods and material for containment and cleaning up	Absorb into dry earth or sand. Transfer to a closable, labelled salvage container for disposal by an appropriate method.
6.4	Reference to other sections	Refer to section 8 of SDS.

**SECTION 7: Handling and storage**

7.1	Precautions for safe handling	Avoid direct contact with the substance. Avoid the formation or spread of mists in the air.
7.2	Conditions for safe storage, including any incompatibilities	Store in a cool, well ventilated area. Keep container tightly closed.
	Suitable packaging	Polyethylene.
7.3	Specific end use(s)	No data available.

**SECTION 8: Exposure controls/personal protection**

8.1	Control parameters	
	Workplace exposure limits	No data available.
	DNEL/PNEC	No data available.
8.2	Exposure controls	
	Appropriate engineering controls	Ensure there is sufficient ventilation of the area.
	Individual protection measures such as personal protective equipment	
	Respiratory protection	Self-contained breathing apparatus must be available in case of emergency.
	Hand protection	Impermeable gloves.
	Eye protection	Safety glasses. Ensure eye bath is to hand.
	Skin protection	Impermeable protective clothing.

**SECTION 9: Physical and chemical properties**

9.1	Information on basic physical and chemical properties	
	State	Liquid.
	Colour	Colourless.
	Odour	Barely perceptible odour.
	pH	8.0 - 9.0
	Relative density	1.01 - 1.03
	Solubility in water	Miscible.
	Viscosity	No data available.
	Boiling point/range °C	110.5

9.2 Other information No data available.

### SECTION 10: Stability and reactivity

- 10.1 Reactivity Stable under recommended transport or storage conditions.
- 10.2 Chemical stability Stable under normal conditions.
- 10.3 Possibility of hazardous reactions Hazardous reactions will not occur under normal transport or storage conditions.  
  
Decomposition may occur on exposure to conditions or materials listed below.
- 10.4 Conditions to avoid Heat.
- 10.5 Incompatible materials Materials to avoid: Strong oxidising agents. Strong acids.
- 10.6 Hazardous decomposition products In combustion emits toxic fumes.

### SECTION 11: Toxicological information

11.1 Information on toxicological effects

Hazardous ingredients

1,3,5-TRIS(2-HYDROXYETHYL)HEXAHYDRO-1,3,5-TRIAZINE

ORAL	RAT	LD50	763	mg/kg
SKN	RAT	LD50	>2	gm/kg

Relevant hazards for substance

Hazard	Route	Basis
Respiratory/skin sensitisation	DRM	Hazardous: calculated

Symptoms/routes of exposure

- Ingestion (swallowing) There may be soreness and redness of the mouth and throat.
- Inhalation Exposure may cause coughing or wheezing.
- Skin contact There may be irritation and redness at the site of contact.
- Eye contact There may be irritation and redness. The eyes may water profusely.
- Delayed/immediate effects Delayed effects can be expected after long-term exposure.

### SECTION 12: Ecological information

12.1 Toxicity

Ecotoxicity values No data available.

12.2 Persistence and degradability Biodegradable.

12.3 Bioaccumulative potential No bioaccumulation potential.

12.4 Mobility in soil Readily absorbed into soil.

12.5 Results of PBT and vPvB assessment This product is not identified as a PBT/vPvB substance.

12.6 Other adverse effects Negligible ecotoxicity.

**SECTION 13: Disposal considerations**

13.1 Waste treatment methods

Disposal operations	Transfer to a suitable container and arrange for collection by specialised disposal company.
Recovery operations	Not applicable.
Waste code number	16 03 05
Disposal of packaging	Dispose of in a regulated landfill site or other method for hazardous or toxic wastes.

NB: The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

**SECTION 14: Transport information**

14.1 UN Number	
14.2 UN proper shipping name	NOT CLASSIFIED AS DANGEROUS IN THE MEANING OF TRANSPORT REGULATIONS.
14.3 Transport hazard class(es)	
14.4 Packing group	
14.5 Environmental hazards	Environmentally hazardous: No. Marine pollutant: No.
14.6 Special precautions for user	No special precautions.

**SECTION 15: Regulatory information**

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture	Not applicable.
15.2 Chemical safety assessment	A chemical safety assessment has not been carried out for the substance or the mixture by the supplier.

**SECTION 16: Other information**

Indication of changes

\* Indicates text in the SDS which has changed since the last revision.

Abbreviations and acronyms

ACLG	Approved Classification and Labelling Guide
CAS No	Chemical Abstracts Service Number
CLP	Classification, Labelling and Packaging Regulations (EC) 1272/2008
DNEC	Derived No Effect Level
EC No	EINECS number
EC50	Concentration that causes 50% of maximum effect in stated time period
EINECS	European Inventory of Existing Commercial Substances
LD50 (LC50)	Lethal dose (or concentration) at which 50% of the population will be killed in stated time period
LTEL	Long Term Exposure Limit
PBT	Persistent, Bioaccumulative and Toxic Substances
PNEC	Predicted No Effect Level
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals Regulations
SDS	Safety Data Sheet
STEL	Short Term Exposure Limit
SVHC	Substances of Very High Concern
TWA	Time Weighted Average
UN	United Nations
vPvB	Very Persistent and Very Bioaccumulative
WEL	Workplace Exposure Limits

Literature references and sources of data

This safety data sheet is prepared according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830.

Full text of hazard statements listed in Section 3.

H302: Harmful if swallowed.  
H317: May cause an allergic skin reaction.

This information is based on the present state of our knowledge.

Legal disclaimer

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product.